

WELL RECORD

Krueger Unit Tr. 5 Well 3W

Company Cities Service Oil Co. Well No. 3 Farm Dowlby A
 Location 990' North and 380' East of W/4 Corner Sec. 2 T. 11 R. 16W
 Elevation 1992 (1990 Gr.) County Ellis State Kansas
 Drlg. Comm. September 27, 1949 Contractor Helm Drilling Company
 Drlg. Comp. October 7, 1949 Acid 4000 gals. (see below)
 T. D. 3481' Initial Prod. Physical Potential: 579 oil, 65 water, 24 hrs. (11-15-49)
 P.S.T.D. 3227'

CASING RECORD:

8-5/8" @ 309' csm. 175 sz cement
 5-1/2" @ 3481' csm. 200 sz cement

FORMATION RECORD:

shale & sand	0-70
sand, shale & shells	309
shale & shells	690
shale & sand	1025
red bed & shale	1165
anhydrite	1200
shale & shells	1625
shale & salt	1740
shale & shells	1795
shale & lime	1890
lime & shale	2455
shale	2620
shale & shells	2780
shale	2870
lime	3480

3480 RTD = 3481 SIM

Corr. Top Dodge	3139'
Corr. Top Lansing	3163'
Penetration	318'
Total Depth	3481'

Drilled cement to 3447 SIM.

Perf. 9 shots 3272-74, no fluid.
 Perf. 29 shots 3247-54, 275' water with show oil in 30 mins., 1460' fluid in 1 hr. 25 mins.
 Perf. 21 shots 3136-42

Set packer at 3109 and squeezed with 150 sacks cement; 120 sacks through perforations at 2000'.

Drilled cement and cleaned out to 3447 SIM.

Perf. 34 shots 3260-3270, 20 gals. water with good show oil in 1-1/4 hrs.
 Perf. 27 shots 3215-23
 Perf. 28 shots 3189-98
 Perf. 16 shots 3161-70 7 1/2 bailers water with good show oil in 3 hrs.
 1200' water and 340' oil in 14 hrs.

11-3-49 Acidized 500 gals. 3260-70
 11-4-49 Pumped 150 water, trace oil, 7 hrs.
 11-5-49 Acidized 500 gals. 3189-98. Pumped 67 oil, 70 water, 22 hrs.

Set Lane-wells plug at 3236; dumped 1 sack Calseal on plug; P. S. T. D. 3227 SIM.

11-9-49 Pumped 104 oil, 30 water, 9 hrs.
 Perf. 9 shots 3164-67
 Perf. 28 shots 3137-44

Acidizing Record 11-12-49

1000 gals. 3215-23
 1000 gals. 3161-70
 1000 gals. 3137-44

SYFO: 500' 1°
 1000' 1°
 1500' 1°
 2000' 1°
 2500' 1°
 3000' 1°

Repair 752' hole at 752' 187 ex this log

7-7/8" rotary hole.